

## 2007 JEEP WRANGLER UNLIMITED SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

### GENERAL INFORMATION

Body Style.....4-Door Sport Utility  
Assembly Plant .....Toledo, Ohio  
EPA Vehicle Class.....Multi-purpose vehicle

### ENGINE: 3.8-LITER, OHV, 12-VALVE SMPI V-6

Availability.....Std.  
Type and Description.....Six-cylinder, 60° V-type, liquid-cooled  
Displacement.....230.5 cu. in. (3778 cu. cm)  
Bore x Stroke..... 3.78 x 3.43 (96 x 87)  
Valve System.....OHV, 12 valves, roller followers, hydraulic lifters  
Fuel Injection..... Sequential, multi-port, electronic  
Construction..... Cast-iron block, aluminum alloy heads  
Compression Ratio..... 9.6:1  
Power (SAE net)..... 205 hp (153 kW) @ 5,200 rpm (53.9 hp/L)  
Torque (SAE net)..... 240 lb.-ft. (325 N•m) @ 4,000 rpm  
Fuel Recommendation.....Unleaded regular, 87 octane (R+M)/2  
Oil Capacity.....6 qt. (5.7L) plus filter  
Coolant Capacity..... 13.36 qt. (12.64L) Std.  
Emission Controls.....Three-way catalytic converter, heated  
oxygen sensors, electronic EGR and internal engine features  
Manual Transmission Meets Tier 2 Bin 5 (federal) and LEV II (CA) emission requirements  
Automatic Transmission Meets Tier 2 Bin 5 (federal) and ULEV II (CA) emission requirements

### ELECTRICAL SYSTEM

Alternator.....160A  
Battery.....600 CCA, maintenance-free

### TRANSMISSION: NSG 370—MANUAL, SIX-SPEED OVERDRIVE

Availability.....Std.—All models  
Description..... Synchronized in all forward gears and reverse,  
multi-rail shift system with top-mounted shift lever  
Clutch.....Hydraulic actuation  
Gear Ratios  
1<sup>st</sup>..... 4.46  
2<sup>nd</sup>..... 2.61  
3<sup>rd</sup>..... 1.72  
4<sup>th</sup>..... 1.25  
5<sup>th</sup>..... 1.00  
6<sup>th</sup>..... 0.84  
Reverse..... 4.06  
Axle Ratio.....3.21 Std., 4.10 Opt. (Std. on Rubicon)  
Overall Top Gear.....2.69 Std., 3.44 Opt. (Std. on Rubicon)

**TRANSMISSION: 42RLE—AUTOMATIC, FOUR-SPEED OVERDRIVE WITH VARIABLE LINE PRESSURE**

Availability.....Optional  
Description.....Electronic governor, electronically controlled converter clutch

**Gear Ratios**

1<sup>st</sup> ..... 2.84  
2<sup>nd</sup> ..... 1.57  
3<sup>rd</sup> ..... 1.0  
4<sup>th</sup> ..... 0.69  
Reverse..... 2.21

Axle Ratio..... 4.10  
Overall Top Gear..... 2.83

**TRANSFER CASE: NV24 1 COMMAND-TRAC**

Type.....Part-time  
Operating Modes .....2WD High; 4WD High;  
Neutral; 4WD Low  
Low Range Ratio..... 2.72:1  
Center Differential Type.....None

**TRANSFER CASE: NV24 1OR ROCK-TRAC**

Type..... Part-time, heavy-duty  
Operating Modes .....2WD High; 4WD High;  
Neutral; 4WD Low  
Low Range Ratio.....4.0:1  
Center Differential  
Type.....None

**DIMENSIONS AND CAPACITIES**

General Overall Length..... 173.4 (4404.4)  
Overall Width (without mirrors).....73.9 (1877.1)  
Height.....70.9 (1800.9)  
Wheelbase..... 116.0 (2946.4)  
Track, Front .....61.9 (1572.3)  
Overhang, Front.....26.7 ( 678.2)  
Overhang, Rear.....30.6 ( 777.2)

Maximum Payload (includes occupants and cargo)..... 1000 lbs. (454 kg)

**CLEARANCES**

	<b>P225/75R16</b>	<b>P245/75R16</b>	<b>P255/75/R17</b>	<b>P255/70R18</b>	<b>LT255/75R17</b>
	<b>Tire</b>	<b>Tire</b>	<b>Tire</b>	<b>Tire</b>	<b>Tire</b>
Approach Angle Deg.	40.6	42.1	43.6	44.4	44.4
Breakover Angle Deg.	17.8	19	20.3	20.9	20.8
Departure Angle Deg.	37.5	38.8	40.3	40.7	40.5
Front Axle to ground	9.0 (228.6)	9.6 (243.8)	10.2 (259.1)	10.5 (266.7)	10.5 (266.7)
Rear Axle to ground	8.7 (221.0)	9.3 (236.2)	10.0 (254.0)	10.2 (259.1)	10.1 (256.5)

**CURB WEIGHT**

Wrangler Unlimited X, Man. Trans.....	4075 lbs. (1848 kg)
Wrangler Unlimited X Auto. Trans.....	4100 lbs. (1860 kg)
Wrangler Unlimited Sahara, Man. Trans.....	4269 lbs. (1936 kg)
Wrangler Unlimited Sahara, Auto. Trans.....	4294 lbs. (1948 kg)
Wrangler Unlimited Rubicon, Man. Trans.....	4315 lbs. (1957 kg)
Wrangler Unlimited Rubicon, Auto. Trans.....	4340 lbs. (1969 kg)

**ACCOMMODATIONS**

Seating Capacity, F/R..... 2/3

**Front**

Headroom.....	41.3 (1049.0 mm)
Legroom.....	41.0 (1041.4 mm)
Shoulder Room.....	55.8 (1417.3 mm)
Hip Room.....	55.6 (1412.2 mm)
Seat Travel.....	Driver – 9.055 (230.0mm), passenger – 9.055 (230.0mm)
Front Volume Index, cubic ft. (cu. m).....	54.6 (1.55 cu. m)

**Rear**

Headroom.....	40.4 (1026.2 mm)
Legroom.....	37.2 ( 944.9 mm)
Shoulder Room.....	56.8 (1442.7 mm)
Hip Room.....	56.7 (1440.2 mm)
Rear Seat Volume Index, cubic ft. (cu. m) .....	49.4 (1.40 cu. m)

Cargo Lifterover Height .....	31.4 ( 797.6 mm)
Maximum Cargo Width at Swing Gate Opening.....	58.7 (1491.0 mm)
Minimum Cargo Width at Swing Gate Opening .....	41.2 (1046.5 mm)
Maximum Cargo Height at Swing Gate Opening.....	37.1 ( 942.3 mm)
Minimum Cargo Height at Swing Gate Opening.....	37.0 ( 939.8 mm)
Distance between wheelhouses.....	44.7 (1135.4 mm)

Cargo Volume cubic ft. (cu. m)

Rear seat folded.....	86.75 (2.46 cu. m)
Rear Seat Upright.....	46.43 (1.31 cu. m)

**BODY AND CHASSIS**

Layout..... Longitudinal front engine, four-wheel drive & two-wheel drive  
 Construction..... Ladder-type frame, open steel body

**SUSPENSION**

Front..... Live axle, leading arms, track bar, coil springs, stabilizer bar,  
 low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—std.;  
 Monotube high-pressure (on 17- and 18-inch wheel packages)  
 gas-charged shock absorbers—std.;  
 Electronic Sway Bar Disconnect System (ASDS) opt.

Rear ..... Live axle, trailing arms, track bar, coil springs, stabilizer bar,  
 low-pressure (on 16-inch wheel packages) gas-charged shock absorbers—std.;  
 Monotube high-pressure (on 17- and 18-inch wheel packages)  
 gas-charged shock absorbers—std.

**STEERING**

Type.....Power, recirculating ball with damper  
Overall Ratio ..... 14.7:1 overall  
Turning Diameter (curb-to-curb).... 41.2 ft. (12.56 m) with 225/75R16 tires  
Steering Turns (lock-to-lock) .....3.5

**BRAKES**

Availability.....Std. All  
Power Assist Type..... 8 x 9 dual-diaphragm vacuum  
Four-Wheel Anti-Lock with on- and off-road calibrations.....Std.  
Electronic Stability Program (ESP) .....Std.  
Parking Brake Type .....Drum-in-hat  
  
Front Size and Type..... 11.9 x 1.1 (302 x 28) vented rotor  
with 2.6 (66) single-piston floating caliper  
Swept Area (total front).....220.6 inches/caliper  
Rear Size and Type..... 12.44 x 0.47 (316 x 12) solid rotor  
with 1.9 (48) single-piston floating caliper  
Swept Area (total rear)..... 207.7 inches/caliper

**WHEELS**

Availability.....X Standard  
Type and Material .....Painted Steel  
Size..... 16 x 7.0  
  
Availability.....X Optional  
Type and Material.....Painted Cast Aluminum  
Size ..... 16 x 7.0  
  
Availability.....Sahara Standard  
Type and Material.....Painted Cast Aluminum  
Size..... 17 x 7.5  
  
Availability.....Rubicon Standard  
Type and Material.....Machined Cast Aluminum  
Size..... 17 x 7.5  
  
Availability.....Sahara Optional  
Type and Material.....Painted Cast Aluminum  
Size..... 18 x 7.5

**TIRES**

Availability.....X Std.  
Size and Type ..... P225/75R16, On/Off-road, Black Side Wall  
Mfr. and Model.....Goodyear Wrangler ST  
Revs per Mile (km).....712 (1146)  
  
Availability.....X Optional  
Size and Type..... P245/75R16, On/Off-road, Black Side Wall  
Mfr. and Mode.....Goodyear Wrangler SRA  
Revs per Mile (km).....687 (1106)

**TIRES CONT...**

Availability.....Sahara Standard  
Size and type.....P255/75R17, On/Off-road, Outlined White Lettered  
Mfr. and Model.....Goodyear Wrangler SRA  
Revs per Mile (km).....661 (1064)

Availability.....Sahara Optional  
Size and Type.....P255/70R18, On/Off-road, Outlined White Lettered  
Mfr. and Model.....Bridgestone Dueler 693  
Revs per Mile (km).....653 (1051)

Availability.....Rubicon Standard  
Size and Type..... LT255/75R17, Off-Road, Black Side Wall  
Mfr. and Model.....B.F. Goodrich Mud Terrain  
Revs per Mile (km).....650 (1046)

## TOWING CAPACITIES

### WRANGLER 4DR "X" 2WD - LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,150	3,664	2,075	1,789	2,660	3,400	5,014	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	3,664	2,075	1,789	2,660	3,400	7,514	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	3,689	2,096	1,793	2,660	3,400	7,539	3,500

### WRANGLER 4DR Sahara 2WD - LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,150	4,054	2,163	1,892	2,660	3,400	5,204	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,054	2,163	1,892	2,660	3,400	7,704	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,079	2,184	1,896	2,660	3,400	7,729	3,500

### WRANGLER 4DR "X" 4WD - LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,150	4,075	2,243	1,832	2,660	3,400	5,225	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,075	2,243	1,832	2,660	3,400	7,725	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,100	2,264	1,836	2,660	3,400	7,750	3,500

### WRANGLER 4DR Sahara 4WD - LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	3.21 **	1,150	4,269	2,334	1,936	2,660	3,400	5,419	1,000
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,269	2,334	1,936	2,660	3,400	7,919	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,294	2,355	1,940	2,660	3,400	7,944	3,500

### WRANGLER 4DR Rubicon 4WD - LHD

Engine	Trans Type	Transmission	Axle Ratio	Payload	Base Wt.	Base Wt. Front	Base Wt. Rear	GAWR Front	GAWR Rear	GCWR	Max Trail
3.8L V6 GAS (EGT)	M6	NSG370 6-SPD MANUAL (DEH)	4.10	1,150	4,315	2,360	1,956	2,660	3,400	7,965	3,500
3.8L V6 GAS (EGT)	A4	42RLE VLP 4-SPD AUTO (DGV)	4.10	1,150	4,340	2,381	1,959	2,660	3,400	7,990	3,500

#### NOTES:

1. GCWR = Base Weight + Maximum Trailer Weight + 150 lbs for Driver.

2. \*\* AHT Trailer Tow Package not available with 3.21 Axle Ratio.